Please check the examination details below before entering your candidate information

Candidate surname	Other names

Pearson Edexcel Functional Skills

Centre Number	Candidate Number

Practice Set 2

Time: 25 minutes	Paper Reference **PRACL2/N02**

Mathematics

Level 2
Section A (Non – Calculator)

You must have: Pen, HB pencil, eraser, ruler graduated in cm and mm, protractor, pair of compasses. Tracing paper may be used.	Total Marks

My signature confirms that I will not discuss the content of the test with anyone.

Signature: _____

Instructions

- Use **black** ink or ball-point pen.
- **Fill in the boxes** at the top of this page with your name, centre number and candidate number.
- Sign the declaration.
- Answer **all** questions.
- Write your final answers in the boxes provided.
- Answer the questions in the spaces provided – *there may be more space than you need.*
- You **must** show clearly how you get your answers in the spaces provided. Marks will be awarded for your working out.
- Check your working and answers at each stage.
- Diagrams are **not** accurately drawn, unless otherwise indicated.
- **Calculators may not be used.**
- Take the value of π to be 3.14

Information

- The total mark for this section is 16.
- The marks for **each** question are shown in brackets.
  – *use this as a guide as to how much time to spend on each question.*
- This sign ☑ shows where marks will be awarded for showing your checks.

Advice

- Read each question carefully before you start to answer it.
- Check your answers if you have time at the end.

Turn over ▶

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S 6 8 2 1 4 A 0 1 0 8

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SECTION A

Answer ALL questions. Write your answers in the spaces provided.

1

(a) Work out $700 - 7^2$

(2)

Here is a list of numbers.

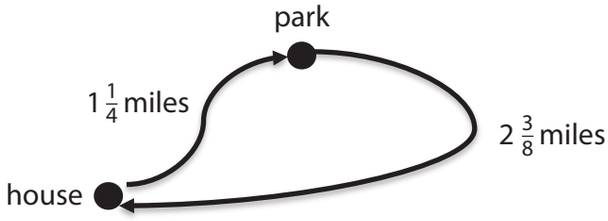
29 31 46 43 29 31 38 34 43 35 43

(b) Write down the mode of these numbers.

(1)

(Total for Question 1 is 3 marks)

2 Ola will run from her house to a local park and back to her house.
She sees this sketch of the route she will take.



What is the total distance of the route Ola will run?
Give your answer as a mixed number.

You **must** show your working.

(3)

miles

(Total for Question 2 is 3 marks)

3 Saima is making a filling for a cake.

Saima mixes jam, sugar and soft cheese in the ratio 4 : 1 : 16

She uses 32 oz of soft cheese.

Saima knows that 1 oz is 28.3 grams.

(a) How many grams of jam does Saima need?

(3)

g

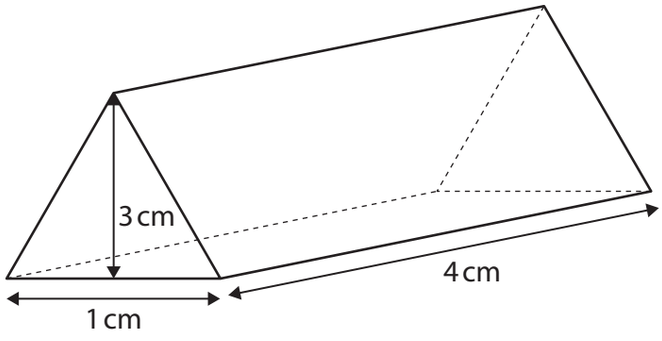
☑

(b) Use estimation to show a check of your answer.

(1)

(Total for Question 3 is 4 marks)

4 Jack is a jeweller.
He makes a pendant in the shape of a triangular prism as shown in the diagram.



Jack makes the pendant from solid gold.

He uses this formula.

$V = TL$

where V = volume of a triangular prism (cm^3)
T = area of the triangular face (cm^2)
L = length of the prism (cm)

Jack knows that

- mass = density × volume
- the density of gold is 19 grams per cm^3
- the cost of 1 gram of gold is £40

Jack sells the pendant for £382 more than the total cost of the gold needed to make the pendant.

How much does Jack sell the pendant for?

(6)

£

(Total for Question 4 is 6 marks)

TOTAL FOR SECTION A IS 16 MARKS

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